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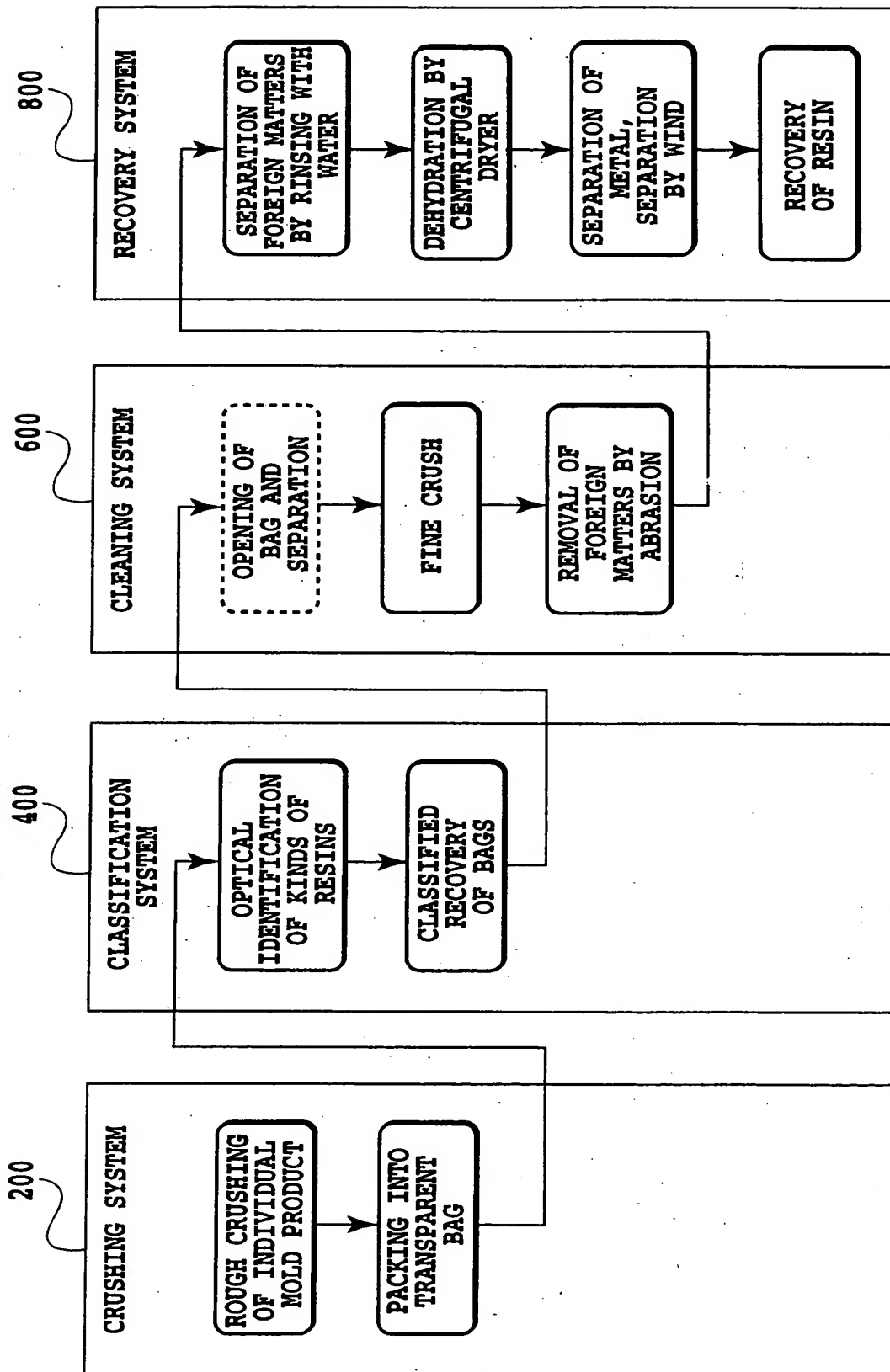


FIG.1

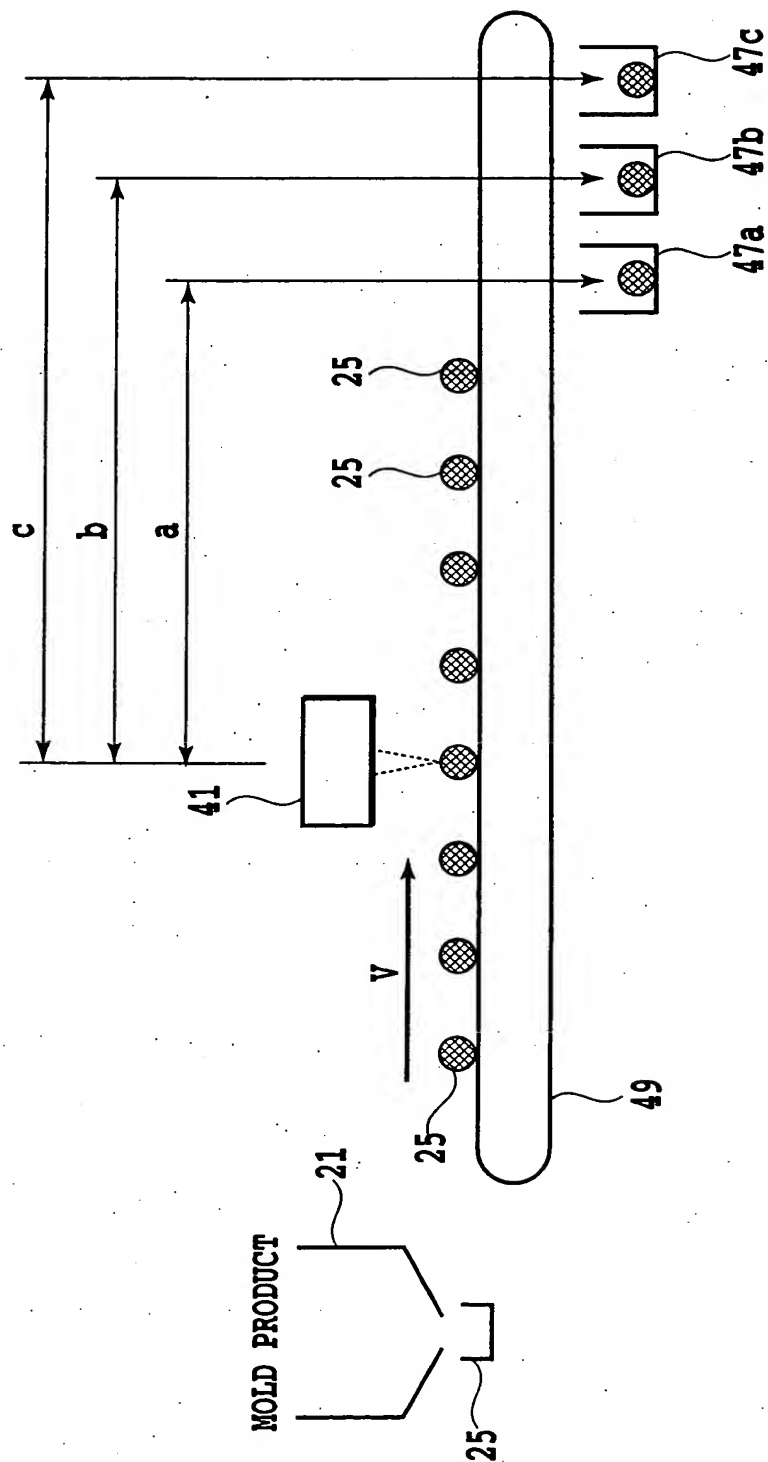
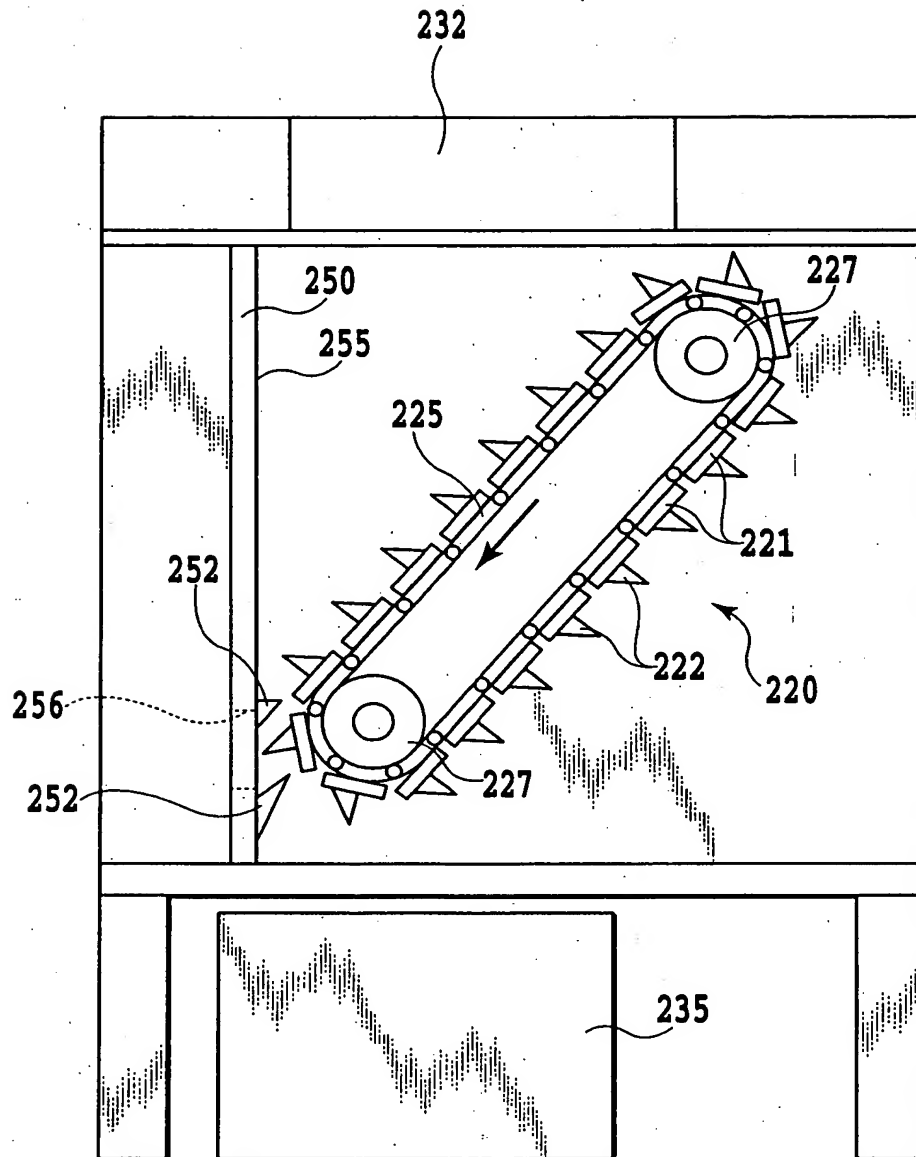


FIG.2

**FIG.3**

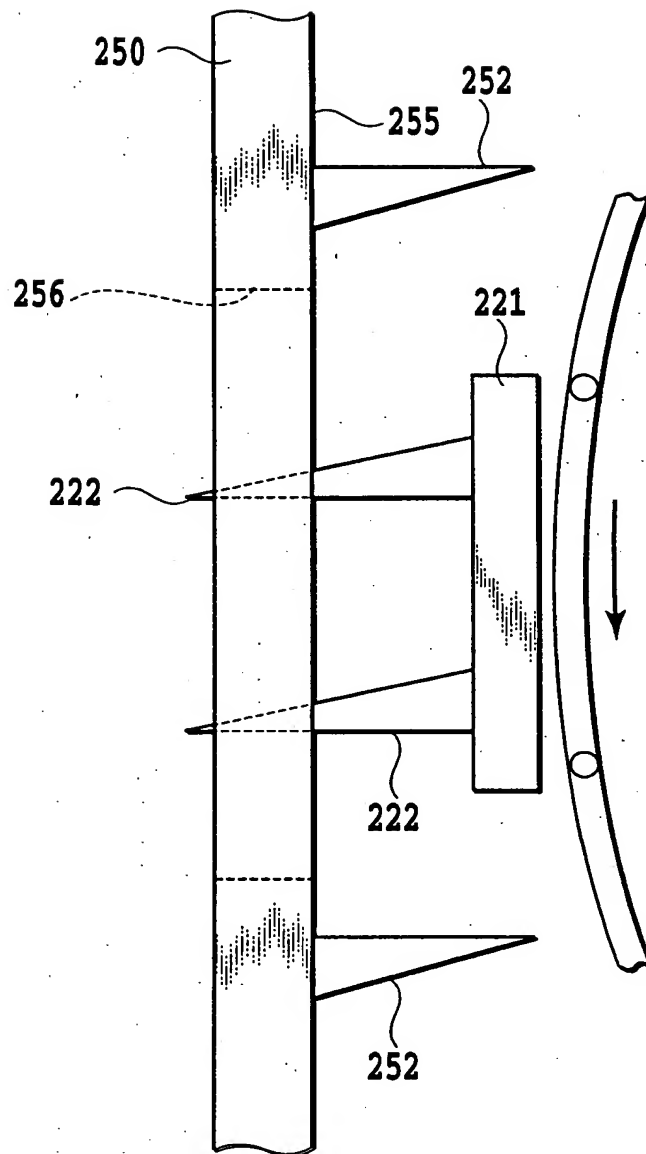
**FIG. 4**

FIG. 5A

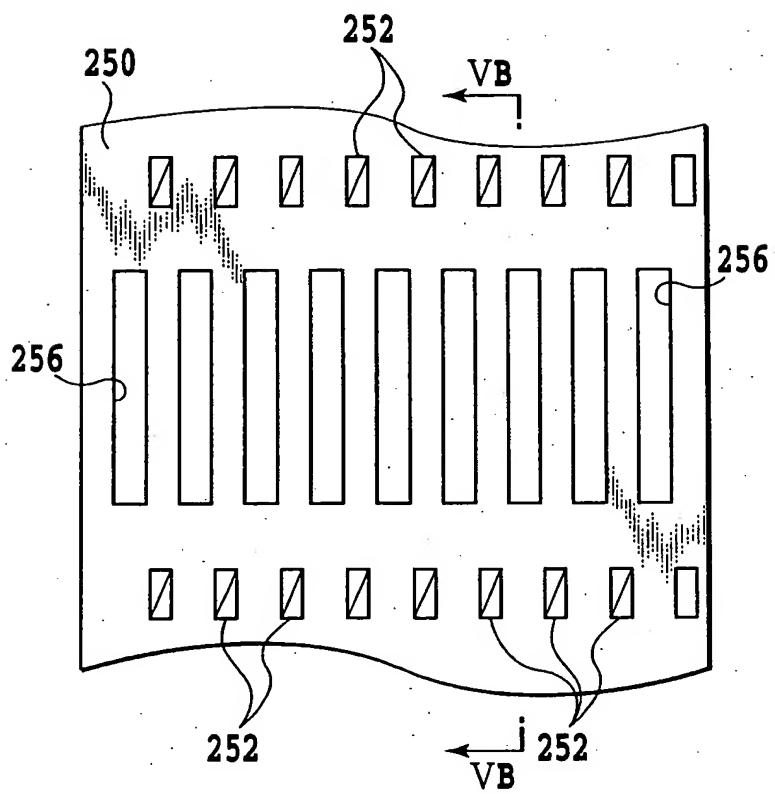


FIG. 5B

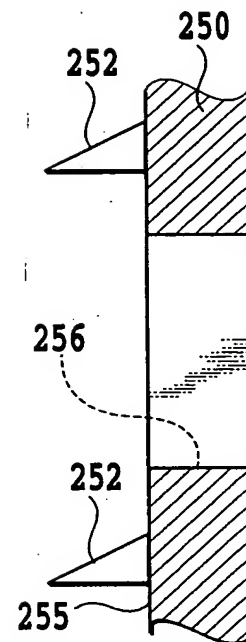


FIG. 5C

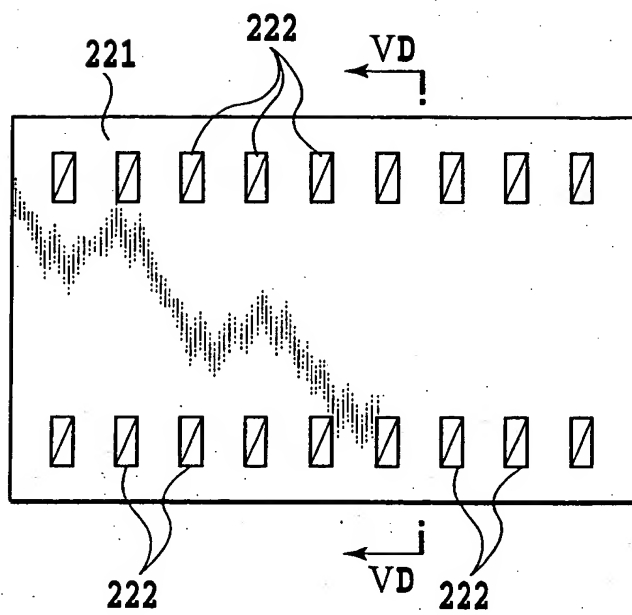
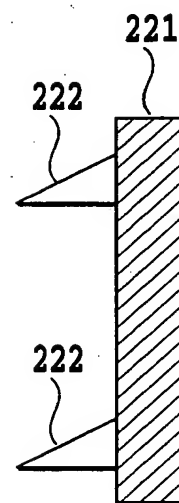
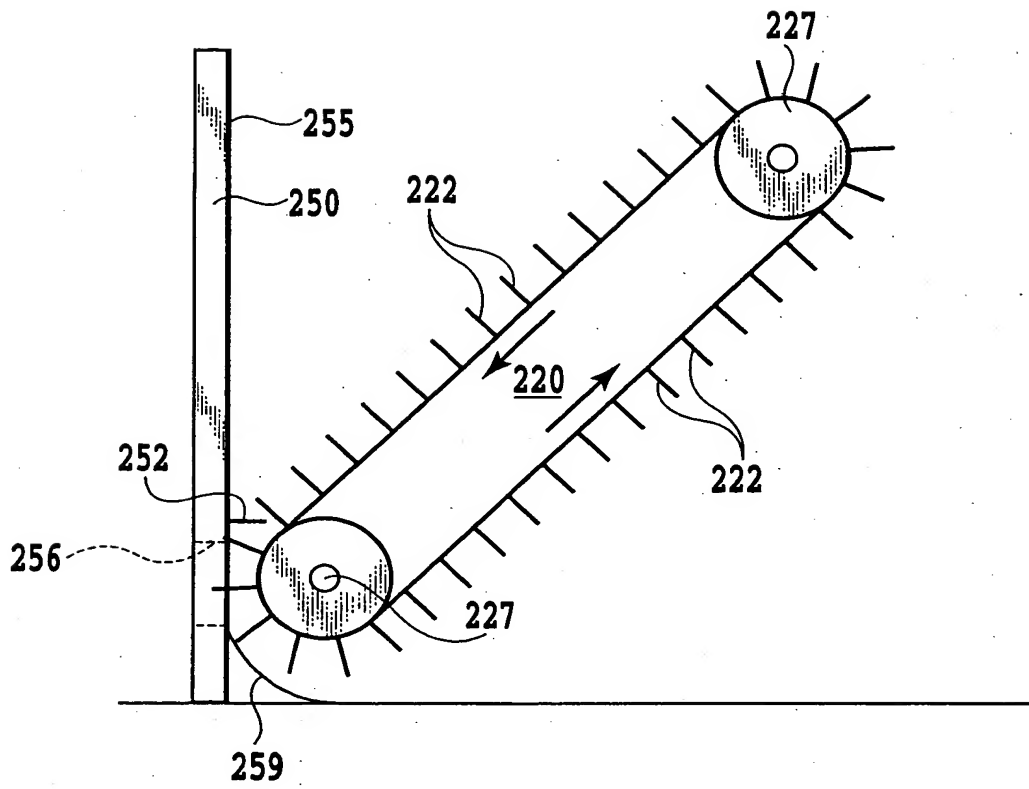
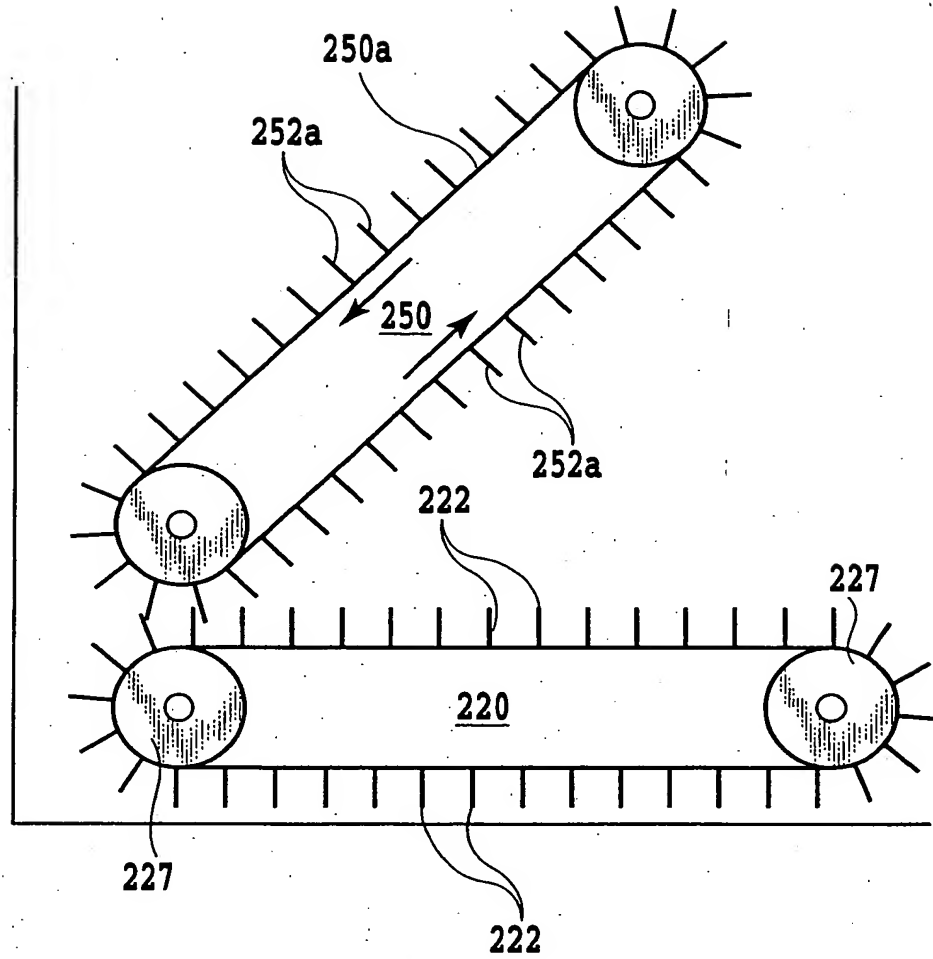


FIG. 5D



**FIG.6A**



**FIG.6B**

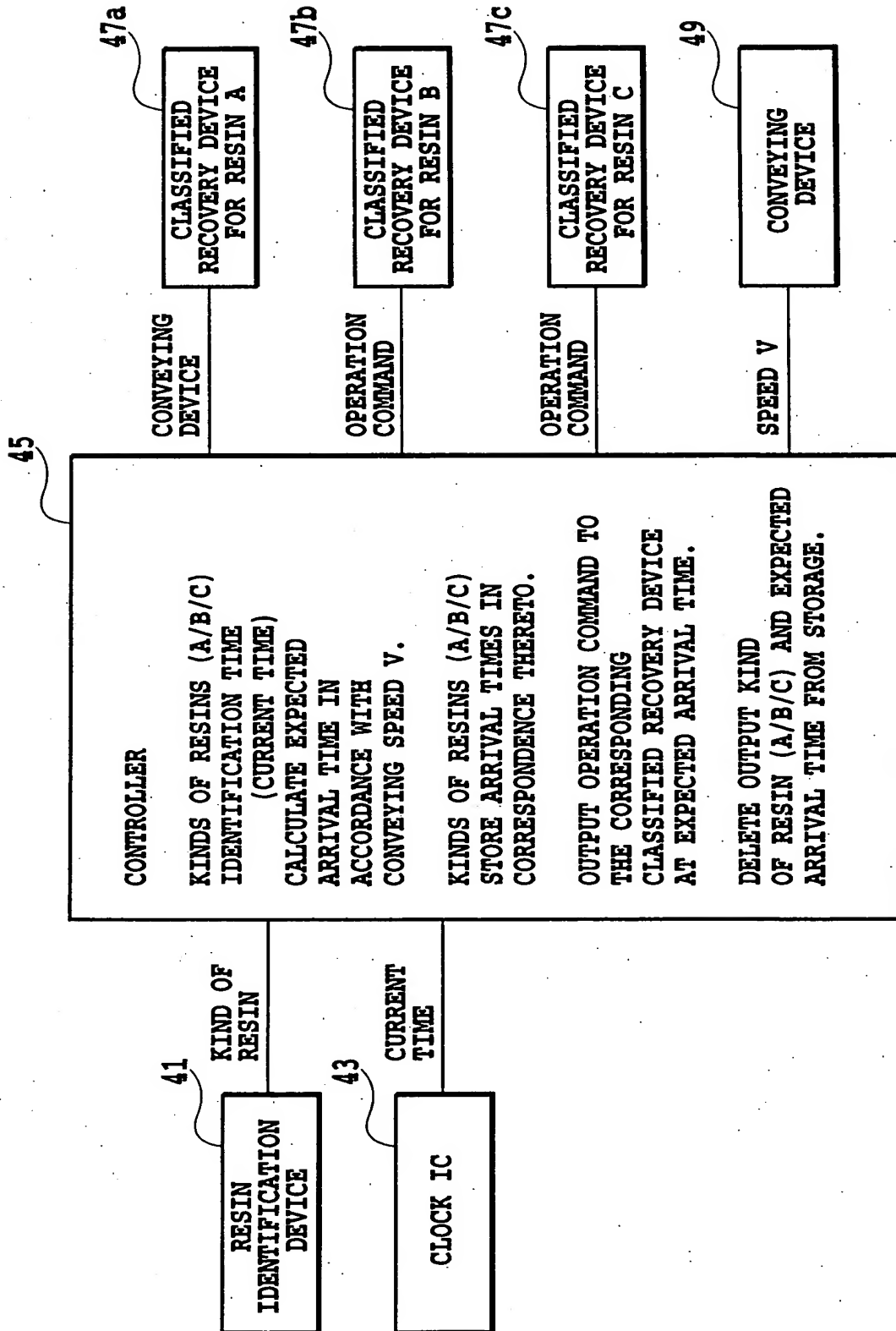


FIG.7

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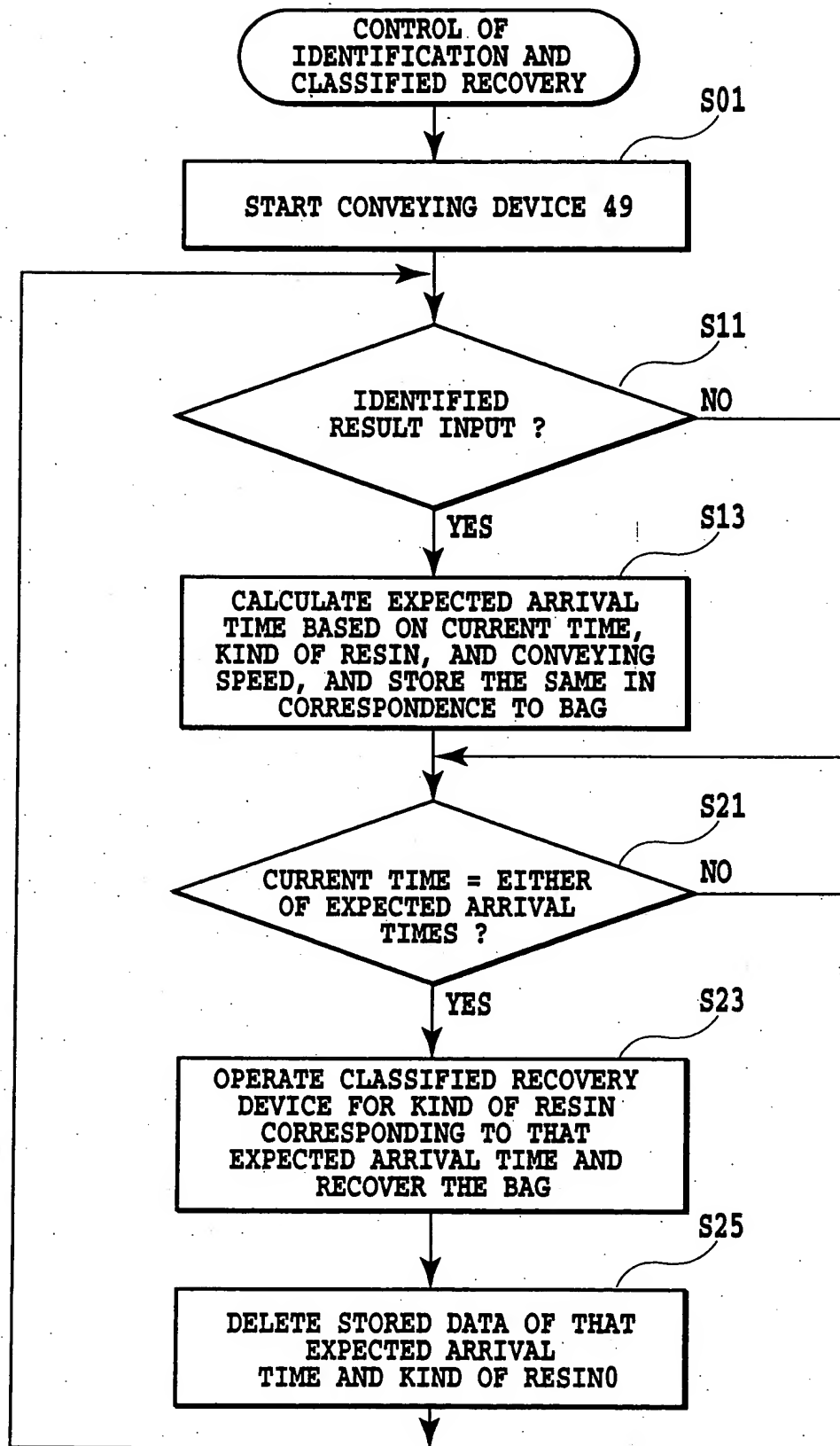


FIG.8

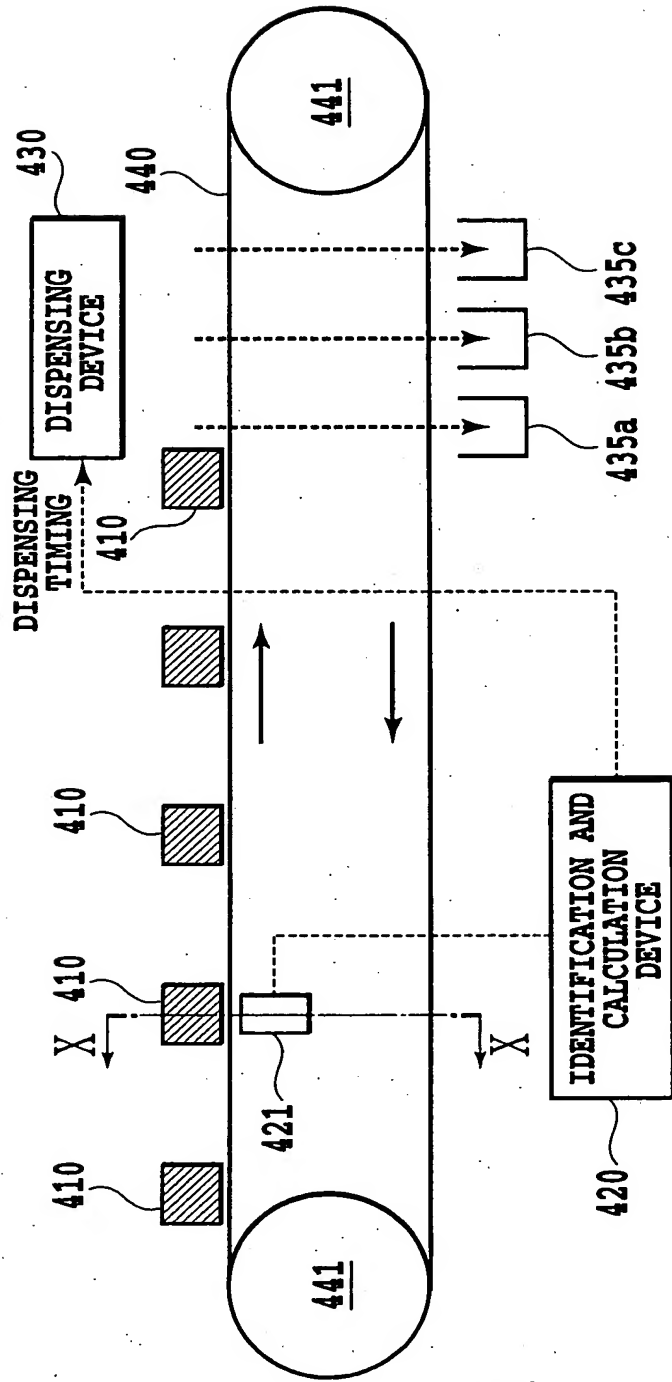


FIG. 9A

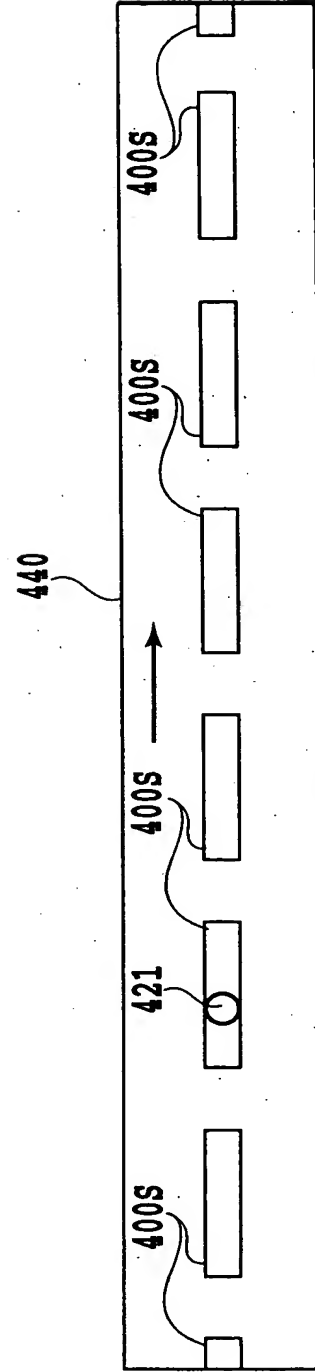


FIG. 9B

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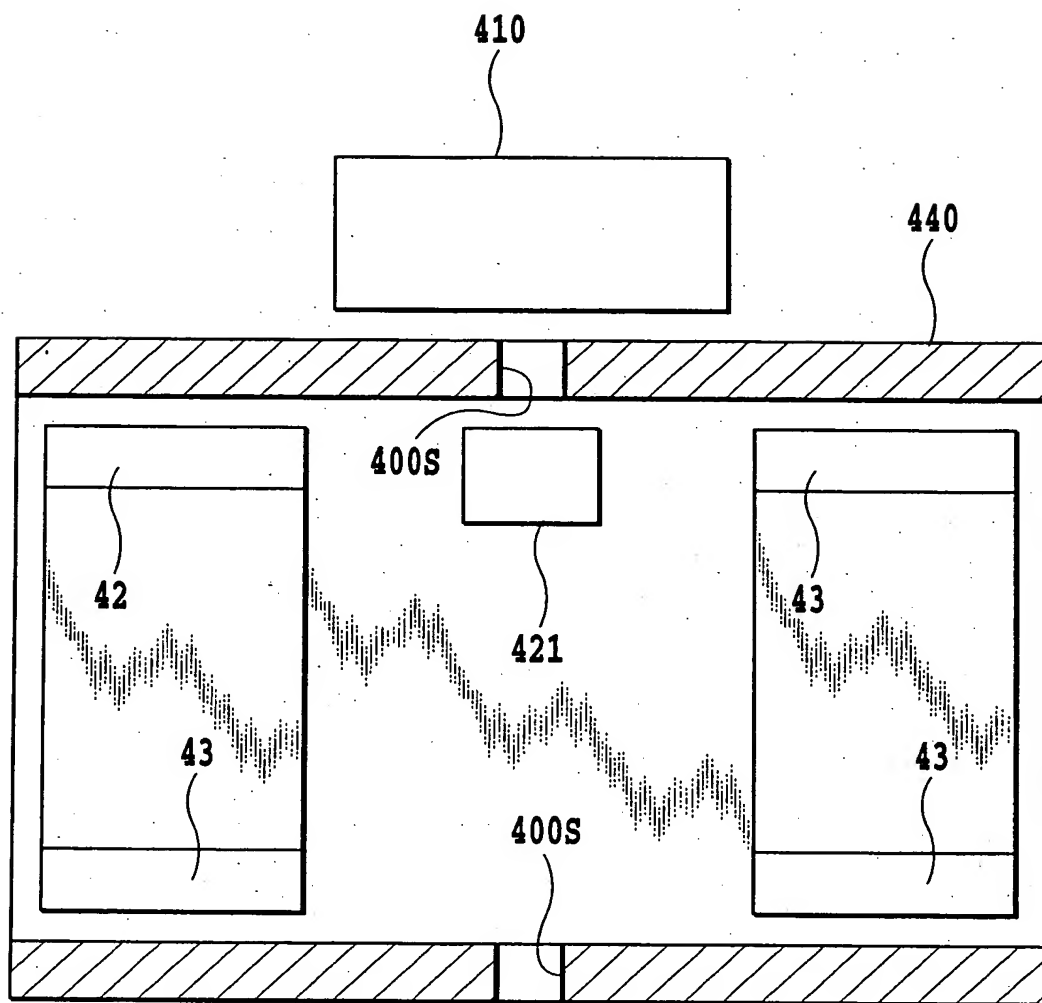


FIG.10

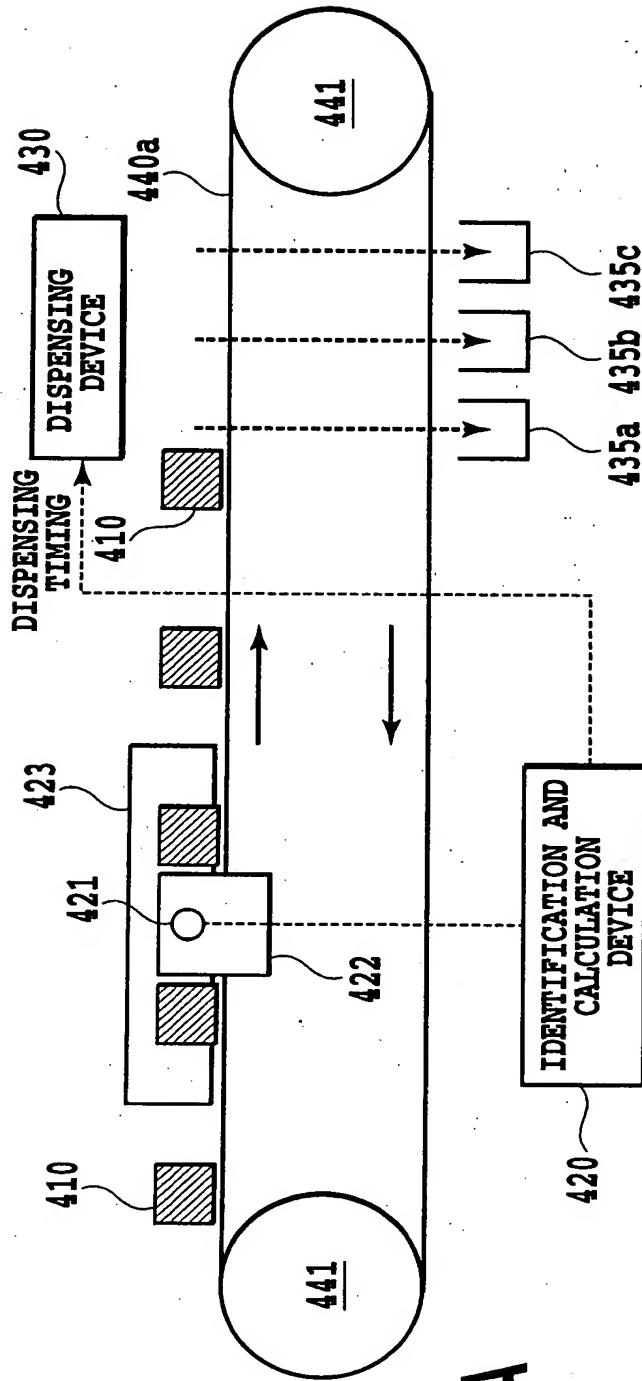


FIG. 11A

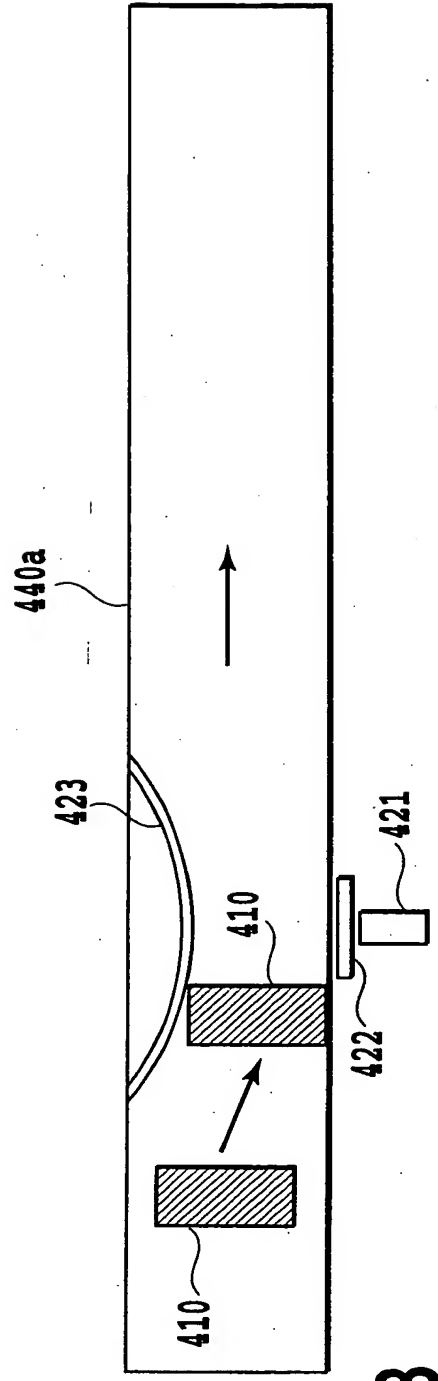
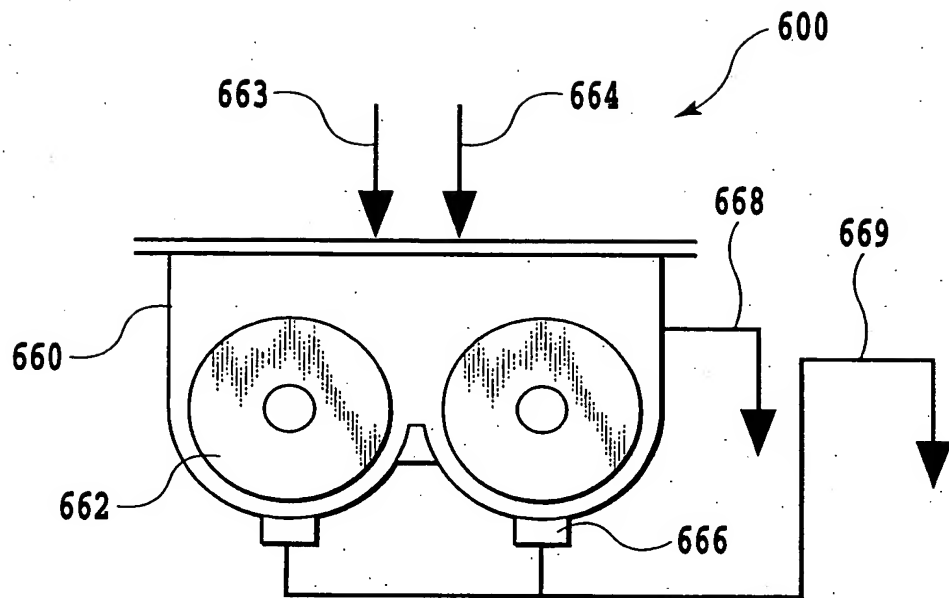


FIG. 11B



**FIG.12**

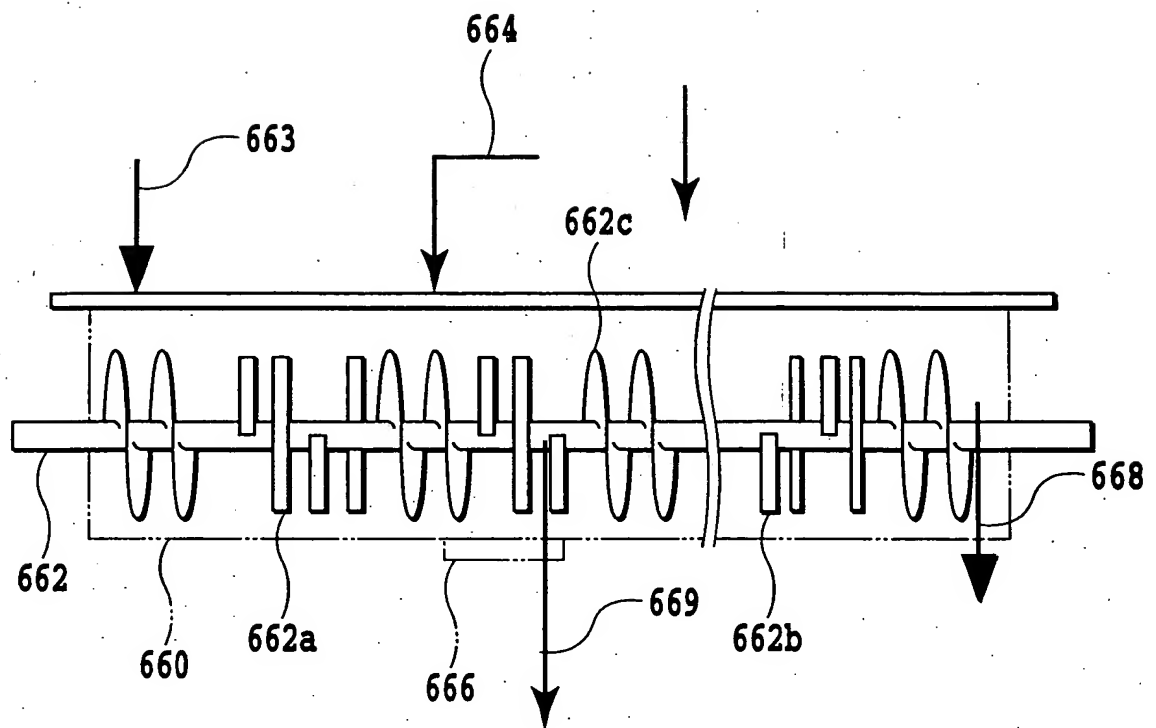
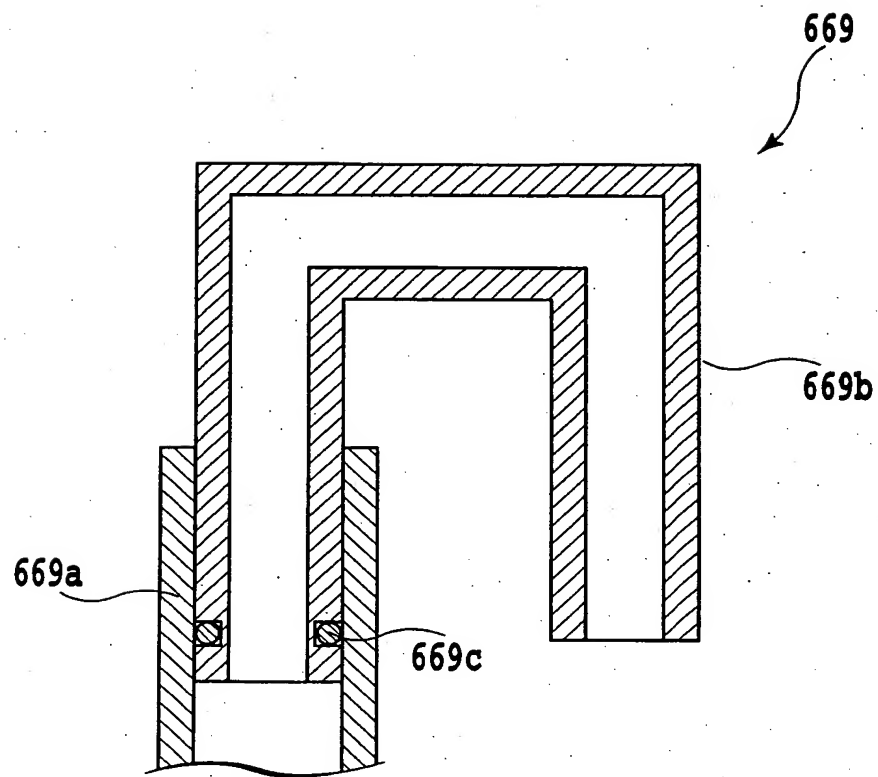
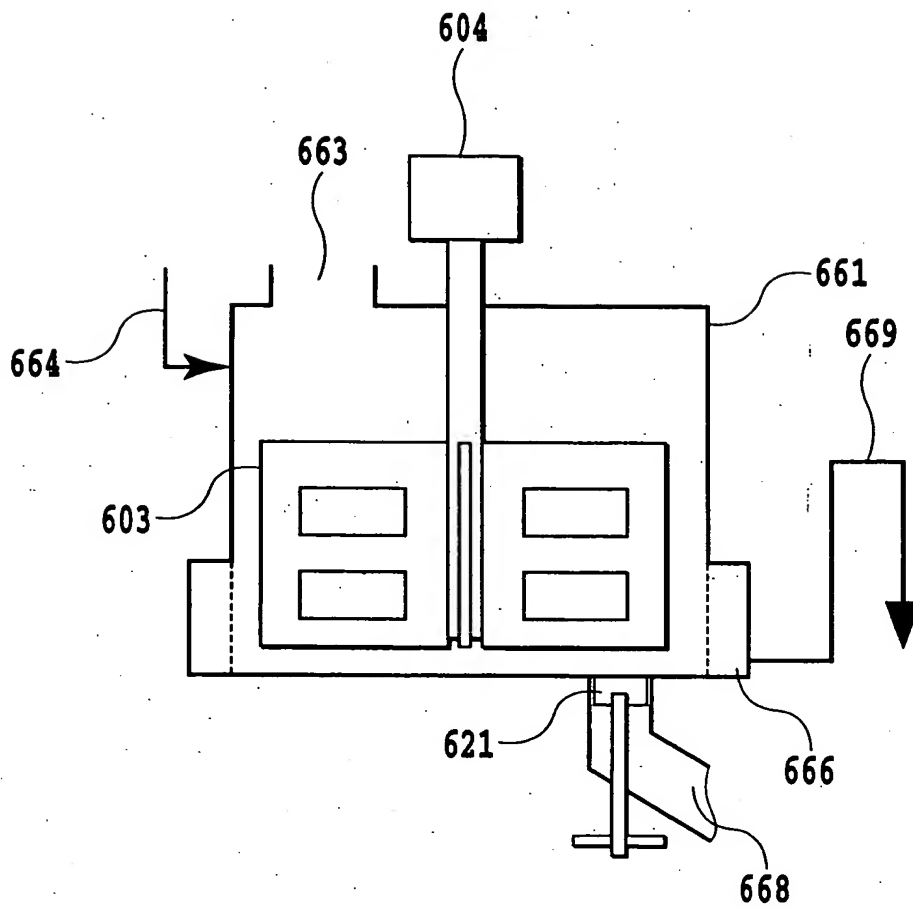


FIG.13





**FIG.14**

**FIG.15**

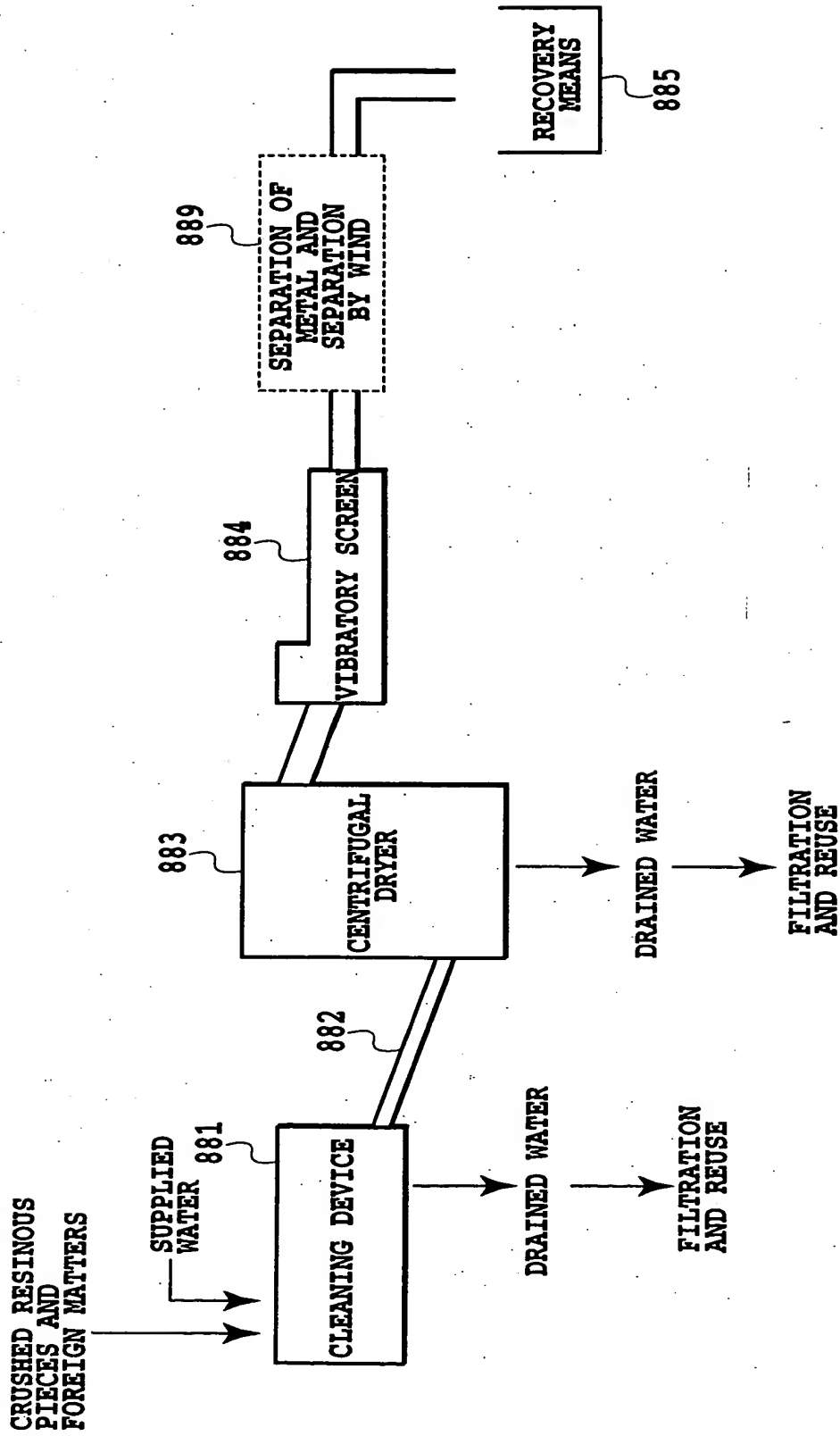


FIG.16

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	EXAMPLE A	COMPARATIVE EXAMPLE A
TOTAL APPARENT VOLUME OF RESIN PARTS PRIOR TO BEING CRUSHED	130L	130L
TOTAL WEIGHT OF RESIN PARTS PRIOR TO BEING CRUSHED	11.3kg	11.3kg
BULKING DENSITY OF RESIN PARTS PRIOR TO BEING CRUSHED	0.09	0.09
BULKING DENSITY AFTER BEING CRUSHED	0.48	0.62
AVERAGE VALUE OF EQUIVALENT DIAMETERS OF CRUSHED RESINOUS PIECES	35mm	7mm
TOTAL WEIGHT OF CRUSHED RESINOUS PIECES	11.2kg	2.3kg
APPARENT VOLUME OF CRUSHED RESINOUS PIECES	23.3L	3.7L
ESTIMATION	ALL THE PARTS WERE CRUSHED TO REDUCE THEIR VOLUME	ONLY FIVE PARTS (2.3 KG) WERE CRUSHED TO FAIL THE REDUCTION OF VOLUME

FIG.17

ESTIMATION	EXAMPLE B	COMPARATIVE EXAMPLE B
TOTAL VOLUME OF RESIN PARTS PRIOR TO BEING CRUSHED (cm <sup>3</sup> )	4500	4500
TOTAL VOLUME OF RESIN PARTS AFTER BEING CRUSHED (cm <sup>3</sup> )	1115	1060
RATIO OF VOLUMES BETWEEN BEFORE AND AFTER BEING CRUSHED #1	4.0	4.2
NUMBER OF IDENTIFIED SAMPLES (PIECES)	3	ABOUT 2700#2
TIME REQUIRED FOR THE IDENTIFICATION (min)	0.15	ABOUT 135#3
IDENTIFIED RESULT	○	×

#1: (VOLUME OF RESIN PARTS PRIOR TO BEING CRUSHED) / (TOTAL VOLUME OF RESIN PARTS AFTER BEING CRUSHED)

#2: IT WAS ESTIMATED BY (WEIGHT OF RESIN PARTS PRIOR TO BEING CRUSHED) / (STANDARD WEIGHT OF ONE CRUSHED RESINOUS PIECE)

#3: IT WAS ESTIMATED BY (TOTAL WEIGHT OF CRUSHED RESINOUS PIECES) / (WEIGHT OF CRUSHED RESINOUS PIECES IDENTIFIABLE PER ONE MINUTE)

**FIG.18**

	EXAMPLE C	COMPARATIVE EXAMPLE C	COMPARATIVE EXAMPLE D	EXAMPLE D	COMPARATIVE EXAMPLE E	EXAMPLE E	COMPARATIVE EXAMPLE F
NUMBER OF FOREIGN MATTERS	FOREIGN MATTERS HAVING MAXIMUM LENGTH IN A RANGE FROM 0.05 TO 0.25 mm	3	NUMEROUS	4	IMPOSSIBLE TO MEASURE BECAUSE OF COATED FILM RESIDUE	4	NUMEROUS
	FOREIGN MATTERS HAVING MAXIMUM LENGTH IN A RANGE FROM 0.25 TO 0.5 mm	0	NUMEROUS	0		0	50 MORE
	FOREIGN MATTERS HAVING MAXIMUM LENGTH IN A RANGE FROM 0.5 mm OR MORE	0	50 MORE	0		0	30
NOTE	—	INOPERATIVE	LABEL PIECE LEFT	—	MUCH COATED FILM RESIDUE	—	—
ESTIMATION	GOOD	NO GOOD	NO GOOD	GOOD	NO GOOD	GOOD	NO GOOD

FIG.19